



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Walter Callen et al.

Art Unit : 1652

Serial No. : 10/029,382

Examiner : Richard B. Hutson, Ph.D.

Filed : December 21, 2001

Title : ENZYMES HAVING HIGH TEMPERATURE POLYMERASE ACTIVITY AND
METHODS OF USE THEREOF

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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RESPONSE AND AMENDMENT

Responsive to the non-final Office Action on the merits mailed May 14, 2003,
Applicants respectfully request entry of the amendments and consideration of the remarks set
forth herein. The response was initially due August 14, 2003. A petition for a one-month
extension of time is included, extending the time to respond to September 14, 2003.

Accordingly, this Response is timely filed.

Amendment to the Specification begins on page 2 of this paper.

Amendment to the Claims are reflected in the listing of claims which begin on
page 6 of this paper.

Remarks begin on page 10 of this paper.

The following documents are also enclosed herewith:

- Transmittal letter;
- Petition for extension of time and check;
- Postcard.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being
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August 27, 2003

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